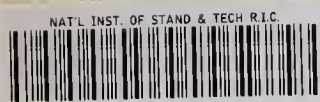




United States Department of Commerce
Technology Administration
National Institute of Standards and Technology



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NIST
PUBLICATIONS

NIST Special Publication 859

Abstract and Index Collection in the Research Information Center of the National Institute of Standards and Technology

Diane Cunningham



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- Chemical Kinetics and Thermodynamics
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- Electron and Optical Physics
- Atomic Physics
- Molecular Physics
- Radiometric Physics
- Quantum Metrology
- Ionizing Radiation
- Time and Frequency¹
- Quantum Physics¹

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- Automated Production Technology
- Robot Systems
- Factory Automation
- Fabrication Technology

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- Intelligent Processing of Materials
- Ceramics
- Materials Reliability¹
- Polymers
- Metallurgy
- Reactor Radiation

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- Building Materials
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- Fire Science and Engineering
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- Information Systems Engineering
- Systems and Software Technology
- Computer Security
- Systems and Network Architecture
- Advanced Systems

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- Applied and Computational Mathematics²
- Statistical Engineering²
- Scientific Computing Environments²
- Computer Services²
- Computer Systems and Communications²
- Information Systems

¹At Boulder, CO 80303.

²Some elements at Boulder, CO 80303.

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Diane Cunningham

Office of Information Services
National Institute of Standards and Technology
Gaithersburg, MD 20899

(Supersedes NIST Special Publication 836)

January 1994



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Ronald H. Brown, Secretary

Technology Administration
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PREFACE

This publication lists the major abstracts and indexes available in the collection of the Research Information Center (RIC) of the National Institute of Standards and Technology (NIST). It supersedes and revises NIST Special Publication 836, which is dated June 1992. Entries in the main index, which are arranged alphabetically, include the current title of the abstract or index, RIC's holdings, major sources used to compile information, publisher or publishing association, corresponding RIC online database with CD-ROM availability, RIC call number, and collection/area designation.

Unless otherwise designated, abstracts and indexes are located in the "Abstracts" section on the first floor of the RIC. Other areas and locations which include selected abstracts and indexes are designated by the following:

 BIOG = located in the Biography section
 IGA = located in the Intergovernmental Affairs Collection
 M = located in the Microform Collection
 NIST = located in the NIST Reports Collection
 NCC = located in the Noncurrent Collection
 REF = located in Extended Reference area, check at reference desk for location

In addition to being listed by current title, abstracts and indexes are grouped in a general subject index. They are also listed by their former titles and by their database names.

I wish to thank Karen J. Wick for her able assistance and diligence in preparing this publication.

Diane Cunningham
Office of Information Services

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ABSTRACT AND INDEX COLLECTION IN THE RESEARCH INFORMATION CENTER OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

ABSTRACTS/INDEXES

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ACM GUIDE TO COMPUTING LITERATURE	Index to the literature of computing and related disciplines	Association for Computing Machinery (ACM)	QA 76 .C62
1977-	Journals, Books, Proceedings, Reports, Theses	MATHSCI*	
ASCE ANNUAL COMBINED INDEX	Index to publications of the American Society of Civil Engineers	The American Society of Civil Engineers (ASCE)	TA 1 .A58A48
1975-	Journals, Proceedings, Books	-	
ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY	Current literature on the principles and technologies of pulp, paper, and board manufacturing	Institute of Paper Science and Technology	Z 7914 .P2A6
v. 1, 1930/31-v. 60, 1990	Journals, Patents	PAPERCHEM	
ABSTRACT JOURNAL IN EARTHQUAKE ENGINEERING	Comprehensive literature in earthquake hazard mitigation	Earthquake Engineering Research Center	TA 658.44 .A25
v. 1, 1971-	Journals	-	
AMERICAN STATISTICS INDEX: INDEXES/ABSTRACTS	Index and abstracts to statistical publications of the U.S. government	Congressional Information Service (CIS)	HA 195 .A52
1974-1984	Journals, Reports	ASI	
ANALYTICAL ABSTRACTS	International literature dealing with all branches of analytical chemistry	The Royal Society of Chemistry (U.K.)	QD 71 .A49
v. 1, 1954-	Journals	ANALYTICAL ABSTRACTS*	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
APPLIED MECHANICS REVIEWS	International literature in engineering sciences	American Society of Mechanical Engineers (ASME)	TA 1 .A63953
v. 1, 1948-v. 40, 1987; v. 45, 1992-	Journals, Books	-	
APPLIED SCIENCE AND TECHNOLOGY INDEX	Cumulative subject index to English language journals in the fields of aeronautics and space science, computer technology, chemistry, construction, energy resources, electricity and electronics, engineering, industrial and mechanical arts, etc.	H. W. Wilson Co.	Z 7913 .17
v. 1, 1913-	Journals	WILSON APPLIED SCIENCE AND TECHNOLOGY INDEX	
ASTRONOMY AND ASTROPHYSICS ABSTRACTS	Worldwide astronomical publications	Astronomisches Rechen-Institut/ (Germany)/Springer Verlag	QB 1 .A862
v. 1, 1969-	Journals	-	
ATOMIC ABSORPTION AND EMISSION SPECTROMETRY ABSTRACTS	Worldwide documentation of all aspects of atomic absorption and emission spectrometry	PRM Science and Technology Agency Ltd. (U.K.)	QD 95 .A7
v. 1, 1969-v. 17, 1985	Journals, Proceedings, Unpublished Reports	-	
AUSTRALIAN SCIENCE INDEX	Scientific and technical literature published in Australian journals	Commonwealth Scientific and Industrial Research Organization (CSIRO) (Australia)	M
v. 22, 1978-v. 27, 1983	Journals	-	
BNF NON-FERROUS METALS ABSTRACTS (British Non-Ferrous Metals Resource Assoc.)	Published information on non-ferrous metallurgy and technology	The BNF Metals Technology Centre (U.K.)	TA 459 .B71
1970-1983	Journals, Patents, Books	-	
BIOGRAPHY INDEX	Cumulative index to biographical material	H. W. Wilson Co.	Z 5301 .B5 BIOG
v. 1, 1949-v. 41, 1987	Books, Periodicals	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BIOTECHNOLOGY RESEARCH ABSTRACTS	Literature concerning all aspects of biotechnology	Cambridge Scientific Abstracts	TP 248.2 .B582
v. 3, 1986–	Journals	–	
BRITISH CERAMIC ABSTRACTS	International literature of ceramics	British Ceramic Research Ltd.	TP 785 .B58
1978–1988	Patents, Journals	–	
BUILDING SCIENCE ABSTRACTS	Literature of materials, design, and building research	Her Majesty's Stationery Office	TH 1 .G7
v. 1, 1925–v. 49, 1976	Journals, Reports	–	
BUSINESS PERIODICALS INDEX	Index to journals in the fields of accounting, advertising, banking and finance, business, insurance, labor and management, taxation, personnel administration, etc.	H. W. Wilson Co.	HF 5001 .B8
v. 1, 1958–	Journals	WILSON BUSINESS PERIODICALS INDEX	
CA REVIEWS INDEX (CARI)	A key word in context (KWIC) index to all reviews that appear in CHEMICAL ABSTRACTS	Royal Society of Chemistry	QD 1 .A5124 (Shelved with CHEMICAL ABSTRACTS)
v. 86, 1977–v. 97, 1982	Journals	–	
CIS INDEX/ANNUAL	Index to congressional publications	Congressional Information Service (CIS)	KF 49 .C621
1970–	Hearings, Public Laws, Reports, Bills	CIS	IGA
CSIRO ABSTRACTS (Commonwealth Scientific and Industrial Research Organization)	Abstracts of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 4 .A9
v. 1, 1952–v. 22, 1974	Journals, Reports, Proceedings	–	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CSIRO INDEX	Index of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 179.9 .A9
1975-1986	Journals, Translations, Reports	-	(M-Later years only)
CERAMIC ABSTRACTS	International literature of ceramics	American Ceramic Society	TP 785 .A64
v. 1, 1922-	Journals, Patents, Books	AMERICAN CERAMIC ABSTRACTS	
CHEMICAL ABSTRACTS	Comprehensive worldwide literature of chemistry, including biochemistry and chemical engineering	American Chemical Society	QD 1 .A51 (Located after unbound journals in back of RIC)
v. 1, 1907-	Journals, Patents, Books, Reviews	CHEMICAL ABSTRACTS*	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series I: Mathematics, Astronomy, Physics	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C45
v. 2, 1981-v. 8, 1987	Periodicals	-	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series II: Chemistry, Earth Science, Energy Sources	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C455
v. 6, 1985-v. 8, 1987	Periodicals, Proceedings	-	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series III: Industrial Technology	Comprehensive index to articles in Chinese scientific and technical publications	International Information Service, Ltd. (Hong Kong)	Q 1 .C46
v. 2, 1981; v. 5, 1984-v. 8, 1987	Periodicals	-	
CHINESE SCIENCE ABSTRACTS Part A: Mathematics, Mechanics, Astronomy and Space, Physics, Technical Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C42
1982-1989	Periodicals, Proceedings	-	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CHINESE SCIENCE ABSTRACTS Part B: Chemistry, Life Sciences, Earth Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C44
1982-1989	Periodicals, Proceedings	-	
CIVIL ENGINEERING HYDRAULICS ABSTRACTS	Worldwide literature of applied fluid mechanics	BHRA (The British Hydro-mechanics Research Association)	TC 1 .C15
v. 3, 1970-v. 20, 1987	Journals, Reports, Proceedings	FLUIDEX	
COMPUTER ABSTRACTS	International literature on computer applications	MCB University Press, Ltd.	QA 76 .C549
v. 4, 1960-	Journals, Reports, Patents, Books	-	
COMPUTER AND CONTROL ABSTRACTS (Science Abstracts Series C)	Worldwide coverage of the literature of all aspects of computers and control	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	TJ 212 .C61
v. 1, 1966-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC*	
COMPUTER LITERATURE INDEX	Literature in computer science, not including the more esoteric and academic literature	Applied Computer Research, Inc.	QA 76 .C565
v. 13, 1983-	Journals	-	
COMPUTING REVIEWS	Critical reviews of the current publications in any area of the computing sciences	Association for Computing Machinery (ACM)	QA 76 .C6
v. 1, 1960-v. 22, 1981; v. 25, 1984-	Books, Journals, Proceedings	MATHSCI*	
CONCRETE ABSTRACTS	International literature of developments in concrete and concrete technology	American Concrete Institute	TA 439 .C56
v. 3, 1974-	Journals, Reports, Books	-	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CONSUMERS INDEX TO PRODUCT EVALUATIONS AND INFORMATION SOURCES	Index to product evaluations and general consumer information	Pierian Press	TS 156.25 .C65
v. 4, 1976-v. 17, 1989	Journals	—	
CORROSION ABSTRACTS	Worldwide corrosion control literature	National Association of Corrosion Engineers (NACE) International	TA 462 .C652
v. 1, 1962-	Journals, Proceedings, Reports	—	
CORROSION CONTROL ABSTRACTS	Translation of Russian journal on corrosion and protection against corrosion	Scientific Information Consultants Ltd. (U.K.)	TA 462 .C654
1969-1987	Journals, Patents	—	
CUMULATIVE INDEX TO ASCE PUBLICATIONS	Index to the publications of the American Society of Civil Engineers	American Society of Civil Engineers	TA 1 .A58A5
1961-1974	Journals, Proceedings	—	
CUMULATIVE INDEX TO ENTIRE IEEE GROUP TRANSACTIONS/JOURNALS	Index to the publications of the Institute of Electrical and Electronics Engineers	Nichigai Associates, Inc.	TK 7800 .I51
1948-1971	Journals	—	
CURRENT INDEX OF COMPUTER LITERATURE	Listing of the table of contents of computer journals	Information Research Institute, Inc.	QA 76 .C78
v. 1, 1985	Journals	—	
CURRENT INDEX TO STATISTICS; APPLICATIONS, METHODS AND THEORY	Comprehensive coverage of statistics, its applications, methods, and theory	American Statistical Association and Institute of Mathematical Statistics	HA 1 .C9
v. 1, 1975-	Journals	MATHSCI*	
CURRENT PHYSICS INDEX	International literature concerning all aspects of physics research and index to CURRENT PHYSICS MICROFORM	American Institute of Physics (AIP)	QC 1 .C786
v. 1, 1975-	Journals	SPIN	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CURRENT TECHNOLOGY INDEX	Subject guide to the literature in British technical journals	Bowker-Saur Ltd.	T 1 .C8
v. 3, 1964–	Journals	CURRENT TECHNOLOGY INDEX	
DIRECTORY OF PUBLISHED PROCEEDINGS	Bibliography citing published proceedings	InterDok Corp.	Z 7409 .D56 REF
v. 1, 1964–	Proceedings	DOPP	
DISSERTATION ABSTRACTS INTERNATIONAL	Abstracts of international doctoral dissertations from participating universities; master's dissertations for later years	University Microfilms International	Z 5053 .D5 (M–Scattered years)
1862–	Dissertations	DISSERTATION ABSTRACTS ONLINE	
EI ENGINEERING CONFERENCE INDEX	International engineering conference literature	Engineering Information, Inc.	Z 5851 .E6
1983–1984	Proceedings	COMPENDEX*	
ELECTRICAL AND ELECTRONICS ABSTRACTS (Science Abstract Series B)	International literature covering all aspects of electrical and electronics engineering	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	Q 1 .S331 (earlier years–NCC)
v. 1, 1898–	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC*	
ELECTROANALYTICAL ABSTRACTS	International journal dealing with the documentation of all aspects of fundamental, physico-chemical and analytical electro-chemistry	Birkhäuser Verlag (Switzerland)	QD 551 .J62
v. 1, 1963–v. 23, 1985	Journals, Reviews, Books	–	
ELECTRONIC INSTRUMENTATION	Worldwide publications in measurement science and instrumentation	The Institution of Electrical Engineers/Institute of Electrical and Electronics Engineers, Inc.	TK 7870 .E38
no. 1, 1976–1989	Journals	–	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ELECTRONICS AND COMMUNICATIONS ABSTRACTS	Worldwide publications in electronics and communications	Multi-Science Pub. Co. Ltd. (U.K.)	TK 5101 .A1E48
v. 1, 1961–	Journals, Proceedings, Unpublished Reports	–	
ENERGY RESEARCH ABSTRACTS	Dept. of Energy and U.S. government-sponsored research on all aspects of energy	U.S. Dept. of Energy, Office of Scientific and Technical Information	TJ 163.2 .U54
1975–1987	Journals, Reports	ENERGY SCIENCE AND TECHNOLOGY	
ENGINEERING DATA BANK ABSTRACTS/INDEX OF REPORTS	Engineering evaluation and qualification test reports, non-standard parts justification data, parts/materials specifications, manufacturing processes, etc.	Government Industry Data Exchange Program (GIDEP)	TS 170 .E5
1977–1988	Reports, Technical Data	GIDEP	
ENGINEERING INDEX	Transdisciplinary index to the world's engineering literature	Engineering Information, Inc.	Z 5851 .E62
v. 1, 1884–	Journals, Conference Papers	COMPENDEX*	
ERGONOMICS ABSTRACTS	International literature on human factors in man-machine systems and physical environmental influences	Taylor and Francis	TA 166 .E7132
v. 6, 1974–v. 19, 1987	Journals, Proceedings, Reports, Book Reviews	–	
FAILURE EXPERIENCE DATA BANK SUMMARY	Data on failure information generated whenever significant problems are identified on parts, materials, or safety	Government Industry Data Exchange Program (GIDEP)	TS 173 .F3
1978–1987	Reports, Technical Data	GIDEP	
FIVE-YEAR INDEX TO ASTM TECHNICAL PAPERS AND REPORTS	Index to the publications of the American Society For Testing and Materials	American Society For Testing and Materials (ASTM)	TA 401 .A525
1898–1970; 1976–1980	Journals, Special Technical Publications	–	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
FOREIGN TECHNOLOGY	Listing of current technical foreign reports available from the National Technical Information Service	National Technical Information Service (NTIS)	T 1 .F5
1984–	Reports	NTIS*	
GAS ABSTRACTS	Selected literature on natural and manufactured gas and petroleum production	Institute of Gas Technology	TP 700 .G13
v. 1, 1945– v. 38, 1982	Journals, Patents, Proceedings	–	
GAS AND LIQUID CHROMATOGRAPHY LITERATURE	International literature on gas and liquid chromatography	Preston Publications	QD 1 .A1G31
v. 1, 1992–	Journals	–	
GAS CHROMATOGRAPHY LITERATURE, ABSTRACTS AND INDEXES	International literature on gas chromatography	Preston Publications	QD 1 .A1G3
v. 2, 1969–v. 24, 1991	Journals, Conference Papers	–	
GIDEP INDEX OF REPORTS	Index to reports from the Government Industry Data Exchange Program	Government Industry Data Exchange Program (GIDEP)	TS 170 .E52
1990–	Reports	GIDEP	
GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX	Listing of government and government-sponsored research and development reports	National Technical Information Service (NTIS)	Z 7916 .B47
v. 1, 1946–	Reports, Journals, Proceedings	NTIS*	
INDEX OF MATHEMATICAL PAPERS	An author and subject index of all papers and books reviewed in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M762
v. 1, 1970–v. 9, 1979	Journals, Books	MATHSCI*	
INDEX TO IEEE PUBLICATIONS	Index to the publications of the Institute of Electrical and Electronics Engineers	Institute of Electrical and Electronics Engineers (IEEE)	TK 7800 .I495
1973–	Journals, Standards, Proceedings	–	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
INDEX TO SCIENTIFIC AND TECHNICAL PROCEEDINGS	Multidisciplinary listing of published proceedings	Institute for Scientific Information (ISI)	Q 158.5 .I5 REF
1978–	Proceedings	–	
INDEX TO SCIENTIFIC BOOK CONTENTS	Index to the chapters in scientific books	Institute for Scientific Information (ISI)	Z 7401 .I45
1986–1987	Books	–	
INDEX TO SCIENTIFIC REVIEWS	International interdisciplinary index to the review literature of science, medicine, agricultural sciences, technology, and the behavioral sciences	Institute for Scientific Information (ISI)	Z 7401 .I5
v. 1, 1975–1987	Journals	–	
INDEX TO STATISTICS AND PROBABILITY	International literature of statistics and probability	R & D Press	Z 6654 .M33T84
1973–1975	Journals	MATHSCI*	
INFORMATION SCIENCE ABSTRACTS	International literature in the fields of information science, documentation, and related areas	Plenum Pub. Corp.	Z 699 .A1I5
v. 1, 1966–	Books, Journals, Conference Proceedings, Reports, Patents	INFORMATION SCIENCE ABSTRACTS	
INIS ATOMINDEX (International Nuclear Information System)	International literature of nuclear science relating to its peaceful applications	International Atomic Energy Agency (Austria)	QC 770 .I2
v. 6, 1975–	Reports, Journals, Theses, Proceedings	ENERGY SCIENCE AND TECHNOLOGY	
INTERNATIONAL ABSTRACTS IN OPERATIONS RESEARCH	Worldwide literature in operations research	Macmillan Press Ltd. (U.K.)	T 58 .A215
v. 1, 1961–	Journals	–	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
INTERNATIONAL AEROSPACE ABSTRACTS	Comprehensive international literature of aerospace science and technology	American Institute of Aeronautics and Astronautics, Inc.	TL 501 .I53
v. 1, 1961-v. 26, 1986	Journals, Books, Proceedings, Translations	AEROSPACE DATABASE	
INTERNATIONAL PETROLEUM ABSTRACTS	Worldwide coverage of petroleum and allied literature concerning oil field exploration and development, petroleum refining and products, and economics	John Wiley and Sons Ltd.	TN 860 .I53
v. 1, 1973-	Journals	-	
JMR ABSTRACTS	A listing of preliminary titles and abstracts scheduled to appear in JOURNAL OF MATERIALS RESEARCH	Materials Research Society	TA 401 .J6775
v. 7, 1992-	Journal	-	
JAPAN BIOSCIENCES	Summaries of current Japanese research information on biochemistry, drugs, molecular and cell biology, bioengineering, food processing, etc.	University Microfilms, Inc.	QH 301 .J36
v. 1, 1988	Journals	-	
JAPAN CHEMISTRY	Summaries of current Japanese research information on crystals, kinetics, polymers, chemical engineering, etc.	University Microfilms, Inc.	QD 1 .J36
v. 1, 1988	Journals	-	
JAPAN COMPUTERS	Summaries of current Japanese research information on CAD/CAM, robots, artificial intelligence, software engineering, etc.	University Microfilms, Inc.	QA 76.5 .J36
v. 1, 1988	Journals	-	
JAPAN ELECTRONICS	Summaries of current Japanese research information on circuits, sensors, superconducting materials, acoustic devices, etc.	University Microfilms, Inc.	TK 1 .J36
v. 1, 1988	Journals	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
JAPAN ENERGY	Summaries of current Japanese research information on geophysics, nuclear power plants, energy conservation, superconductivity, etc.	University Microfilms, Inc.	HD 9502 .J36
v. 1, 1988	Journals	-	
JAPAN MANUFACTURING	Summaries of current Japanese research information on inventory control, production management, machinery, heat transfer, etc.	University Microfilms, Inc.	TS 183 .J36
v. 1, 1988	Journals	-	
JAPAN MATERIALS	Summaries of current Japanese research on composites, metallurgy, powder technology, ceramics, textiles, etc.	University Microfilms, Inc.	TA 401 .J355
v. 1, 1988	Journals	-	
JAPANESE TECHNICAL ABSTRACTS	Japanese literature in the areas of technology, applied sciences, engineering, and business management	Japanese Technical Information Service, University Microfilms Inc.	T 1 .J32
v. 1, 1986-v. 2, 1987	Journals	-	
JOURNAL OF CURRENT LASER ABSTRACTS	International comprehensive literature on laser theory, design, and application	Pennwell Pub. Co.	TA 1671 .J55
v. 1, 1964-	Journals, Proceedings, Reports, Patents, Dissertations, Books	-	
JOURNAL OF ECONOMIC LITERATURE	Literature on economic subjects in English language journals	American Economic Association	HB 1 .J6 (M-Earlier Years)
v. 1, 1963-	Book Reviews, Journals	JOURNAL OF ECONOMIC LITERATURE	
LIBRARY AND INFORMATION SCIENCE ABSTRACTS (LISA)	International literature of library and information science	Bowker-Saur Ltd. (U.K.)	Z 671 .L617
1958-1967; 1969-	Journals	LISA	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
LIBRARY LITERATURE	Author and subject index to materials on library and information science	H. W. Wilson Co.	Z 666 .S211
1921-1986	Journals, Books, Pamphlets, Films, Theses	WILSON LIBRARY LITERATURE	
MATHEMATICAL REVIEWS	International coverage and reviews of the literature of mathematics	American Mathematical Society	QA 1 .M76
v. 1, 1940-	Journals, Books, Proceedings	MATHSCI*	
MEASUREMENTS IN PHYSICS	International literature in the fields of measurement and metrology	The Institution of Electrical Engineers/Institute of Electrical and Electronics Engineers, Inc.	QC 39 .P5
1976-1989	Journals	-	
METAL FINISHING ABSTRACTS	International literature of metal finishing including extensive patent information	Finishing Publications Ltd. (U.K.)	TS 550 .M32
v. 1, 1959-v. 27, 1985	Journals, Patents, Books, Reports	-	
METALLURGICAL ABSTRACTS	International literature covering the whole field of metallurgy	The Metals and Metallurgy Trust (U.K.)	TN 1 .I58
v. 1, 1934-v. 32, 1965; v. 1, 1966-v. 2, 1967	Journals, Reports	-	
METALS ABSTRACTS INDEX	Worldwide comprehensive literature on metallurgy	The Institute of Materials (U.K.)/ ASM International	TN 1 .M5153
v. 1, 1968-	Journals, Books, Reports, Proceedings, Dissertations, Patents	METADEX	
METROLOGY DATA BANK INDEX	Index to government and industry data in metrology which is essential in research, design, development, production, and operational phases of the life cycle of systems and equipment	Government Industry Data Exchange Program (GIDEP)	QC 100.5 .U5
1976-1984	Reports, Technical Data	GIDEP	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
MICROCOMPUTER INDEX v. 1, 1980-	A subject index to articles in microcomputer magazines Journals	Learned Information, Inc. MICROCOMPUTER INDEX	QA 76.5 .M5218
MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS 1895-1976	Publication listings of U.S. Government agencies Reports, Books, Serials	U.S. Government Printing Office (GPO) MONTHLY CATALOG	Z 1223 .A18 (M-Earlier years)
MÖSSBAUER SPECTROSCOPY ABSTRACTS v. 2, 1979-v. 7, 1984	International literature concerning Mössbauer spectroscopy Journals, Proceedings, Reports	PRM Science and Technology Agency Ltd. (U.K.) -	QC 491 .M63
NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS 1977-1986	Catalog of NASA special publications, reference publications, conference publications, and technical papers Reports, Proceedings	National Aeronautics and Space Administration, Scientific and Technical Information Division -	TL 521.312 .N3
NATIONAL BUREAU OF STANDARDS INDEX 1979	Index to the National Bureau of Standards (NBS) documents on file in the GIDEP Technical Library Reports	Government Industry Data Exchange Program (GIDEP) -	QC 100 .U575
NUCLEAR SCIENCE ABSTRACTS v. 1, 1948-v. 33, 1976	Worldwide comprehensive literature of nuclear science Reports, Books, Proceedings, Patents, Journals	U.S. Department of Energy NUCLEAR SCIENCE ABSTRACTS	QC 770 .U64
OR/MS OPERATIONS RESEARCH/MANAGEMENT SCIENCE v. 9, 1969-v. 29, 1989	International literature of operation research and management science Journals	Executive Sciences Institute, Inc. -	HD 20 .06
PAIS INTERNATIONAL IN PRINT v. 55, 1969-1991	Worldwide literature related to economic and social conditions, public administration, and international relations Books, Pamphlets, Government Publications, Reports, Journals	Public Affairs Information Service, Inc. PAIS	Z 7163 .P9

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
PHOTOGRAPHIC ABSTRACTS	Abstracts of the world literature of the science, technology, and applications of photography	The Royal Photographic Society of Great Britain/Pergamon Press	TR 1 .P4
v. 1, 1921-1987	Journals, Patents	-	
PHYSICS ABSTRACTS (Science Abstracts Series A)	International literature covering the entire field of physics	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	Q 1 .S311
v. 1, 1898-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC*	
PHYSICS BRIEFS; PHYSIKALISCHE BERICHTE	Worldwide literature covering all fields of physics and related topics	Physik Verlag GmbH (West Germany)	QC 1 .P68 (1920-1978 NCC)
v. 1, 1920-v. 5, 1983	Journals, Books, Patents, Reports, Theses, Proceedings	PHYSICS BRIEFS	
PRINTED CIRCUITS AND ELECTRONICS COATINGS ABSTRACTS	Comprehensive world coverage of the literature on printed circuit production and fabrication and of manufacturing and coating techniques and equipment for integrated circuits, semiconductors, connectors, and specialized applications	Finishing Publications Ltd. (U.K.)	TK 7868 .P7P74
v. 7, 1991-	Journals, Patents	-	
PUBLICATIONS OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY	A comprehensive listing of technical publications by the U.S. National Institute of Standards and Technology (formerly National Bureau of Standards)	U.S. National Institute of Standards and Technology/GPO	QC 100 .U57 SP305 NIST
1901-	Reports, Journals, Proceedings, Patents	NTIS*	
RAPRA ABSTRACTS	World's literature in rubber, plastics, and associated fields	Rubber and Plastics Research Association of Great Britain	TS 1870 .R61
v. 2, 1924-v. 19, 1982	Journals, Patents	RAPRA ABSTRACTS	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
READERS' GUIDE TO PERIODICAL LITERATURE	Cumulative author-subject index to periodicals of general interest covering a wide variety of general subjects	H. W. Wilson Co.	AI 3 .R4
v. 29, 1969–	Periodicals	WILSON READERS' GUIDE TO PERIODICAL LITERATURE	
REFERATIVNYI ZHURNAL: FIZIKA	World's literature in physics	Akademiya Nauk SSSR	QC 1 .A419
1960–1990	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MATEMATIKA	World's literature in mathematics	Akademiya Nauk SSSR	QA 1 .A373
1966–	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MEKHANIKA	World's literature in mechanics	Akademiya Nauk SSSR	QC 1 .A41
1956–	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: METALLURGIYA	World's literature in metals	Akademiya Nauk SSSR	TN 1 .R4
1984–1987	Journals, Books, Patents	–	
REFERENCE SOURCES	Comprehensive guide to reference materials	Pierian Press	Z 1035.1 .R4
v. 1, 1977–v. 7, 1983	Books	–	
RELIABILITY – MAINTAINABILITY DATA INTERCHANGE	Reliability and maintainability data on parts, components, assemblies, equipment, etc.	Government Industry Data Exchange Program (GIDEP)	TS 173 .R45
1978–1989	Reports, Technical Data	GIDEP	
REVIEWS IN COMPLEX ANALYSIS	Reviews on complex analysis which appear in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M761
1980–1986	Journals	MATHSCI*	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
RHEOLOGY ABSTRACTS	Worldwide literature in the science and practice of rheology	British Society of Rheology/ Pergamon Press	QC 189 .R53
v. 1, 1958–	Journals	–	
ROBOTICS ABSTRACTS	Literature on robot research, design and application in industrial and non-industrial settings	Bowker A&I Pub.	TS 191.8 .R55
v. 1, 1983–v. 8, 1990	Journals	–	
ROBOTICS TECHNOLOGY ABSTRACTS	Worldwide literature on the manufacture and use of robots	Cranfield Press (U.K.)	TS 191.8 .R64
v. 3, 1984–v. 6, 1987	Journals, Reports, Patents, Proceedings	–	
ROYAL SOCIETY OF LONDON. CATALOGUE OF SCIENTIFIC PAPERS	Index to nineteenth century scientific papers	Her Majesty's Stationery Office (HMSO) (U.K.)	Z 7403 .R88
v. 1, 1867–v. 19, 1925	Journals, Transactions	–	
SAFETY SCIENCE ABSTRACTS	International literature devoted to identifying, evaluating, and eliminating or controlling hazards	The Institute of Safety and Systems Management/ Cambridge Scientific Abstracts	T 55 .A1S3
v. 1, 1973–v. 9, 1982	Journals, Reports, Proceedings, Books, Dissertations, Patents	SAFETY	
SCIENCE CITATION INDEX	International interdisciplinary index to the literature of chemistry, physics, medicine, agriculture, technology, etc.	Institute for Scientific Information (ISI)	Z 7401 .S365
1945–	Journals	SCISEARCH*	
SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS	Comprehensive worldwide literature on the science and technology of space and aeronautics	U.S. National Aeronautics and Space Administration (NASA)	TL 787 .U51
v. 1, 1963–v. 29, 1991	Reports, Patents, Dissertations	AEROSPACE DATABASE	

* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
SELECTED WATER RESOURCES ABSTRACTS	Literature on the conservation, control, use, and management of water	Water Resources Scientific Information Center, U.S. Dept. of the Interior	TD 201 .S4
v. 2, 1969-v. 9, 1976	Books, Journals, Reports	WATER RESOURCES ABSTRACTS	
SEVENTY-SEVEN YEAR INDEX-TECHNICAL PAPERS (AMERICAN SOCIETY OF MECHANICAL ENGINEERS)	Index to the publications of the American Society of Mechanical Engineers	American Society of Mechanical Engineers	TJ 1 .A774
1880-1956	Journals	-	
SOLID STATE ABSTRACTS JOURNAL	Comprehensive coverage of the world literature on the theory, production, and use of solid state materials and devices	Cambridge Communication Corp.	TK 7800 .S42
v. 1, 1957-v. 9, 1968	Journals, Books, Reports, Patents, Dissertations, Proceedings	-	
STATISTICAL REFERENCE INDEX (SRI)	Index and abstracts to American statistical publications from private organizations and state government sources	Congressional Information Service (CIS)	HA 195 .S75
v. 1, 1980-v. 10, 1989	Directories, Statistical Publications	-	
STATISTICAL THEORY AND METHOD ABSTRACTS	International literature of statistical mathematics	International Statistical Institute	HA 1 .S764
v. 1, 1959-	Journals, Reports, Proceedings	-	
STEELS ALERT	International literature on developments in the steel industry	Metals Information	TN 1 .M51531
v. 1, 1983-v. 7, 1989	Journals	-	
SURFACE TREATMENT TECHNOLOGY ABSTRACTS	International literature of metal finishing, surface-treatment, printed circuits, and electronics coatings	Finishing Publications Ltd. (U.K.)	TP 155.7 .S83
v. 28, 1986-	Journals, Patents, Books, Reports	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
TECHNICAL BOOK REVIEW INDEX	A monthly index to book reviews of new technical, scientific and medical books covering all fields of the pure sciences, life sciences, medicine, and technology	JAAD Pub. Co.	Z 7913 .T36
v. 1, 1935-v. 54, 1988	Reviews	-	
THEORETICAL CHEMICAL ENGINEERING	Listing of abstracts in the chemical engineering literature	The Royal Society of Chemistry (U.K.)	TP 1 .T47
v. 1, 1964-	Journals, Reports, Books	-	
TRANSLATIONS INDEX	Translations into English of technical papers on metals and materials	Institute of Metals/ASM International	QD 171 .A6
v. 1, 1977-	Journals	-	
TRANSLATIONS REGISTER INDEX	Listing of unpublished translations into English from the world literature of the natural, physical, medical, and social sciences	National Translations Center	Z 7401 .T7
v. 1, 1967-v. 20, 1986	Journals	-	
U.S. NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. LISTS OF ITS TECHNICAL MEMORANDA, TECHNICAL NOTES, AND WAR TIME REPORTS	List of reports published by NACA (U.S. National Advisory Committee for Aeronautics)	National Advisory Committee for Aeronautics	TL 787 .U51
v. 1, 1936-v. 2, 1948	Reports	-	
U.S. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. INDEX OF NASA TECHNICAL PUBLICATIONS	Listing of unclassified NASA/NACA technical publications	U.S. National Aeronautics and Space Administration (NASA)	Z 5063 .U592
1915-1961	Reports	-	
WORLD CERAMICS ABSTRACTS	International literature of ceramics	Pergamon Press	TP 785 .W67
1978-	Patents, Journals	WORLD CERAMICS ABSTRACTS	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
WORLD SURFACE COATINGS ABSTRACTS	International literature on paints, varnishes, and allied industries	Paint Research Association (U.K.)/Pergamon Press	TP 934 .R4
v. 42, 1969-v. 65, 1992	Reports, Patents, Standards, Journals	-	
WORLD TEXTILE ABSTRACTS	Worldwide literature of textiles and the textile industry	Elsevier Science Publishers Ltd. (U.K.)	TS 1300 .W6
v. 1, 1969-	Journals, Proceedings, Patents, Standards, Books, Reports	WORLD TEXTILES	
WORLD TRANSINDEX	Translations of literature relating to all fields of science and technology	International Translations Centre (The Netherlands)/British Lending Library	Z 7401 .W62
1967-1982	Journals	-	
WORLD TRANSLATIONS INDEX	Translations in all fields of science and technology	International Translations Centre	Z 7401 .W63
v. 1, 1987-	Journals	-	
X-RAY FLUORESCENCE SPECTROMETRY ABSTRACTS	International literature on all aspects of x-ray fluorescence spectrometry	PRM Science and Technology Agency Ltd. (U.K.)	QD 95 .X2
v. 1, 1970-v. 15, 1984	Journals, Proceedings, Unpublished Reports	-	
ZENTRALBLATT FÜR MATHEMATIK UND IHRE GRENZGEBIETE: MATHEMATICS ABSTRACTS	Worldwide literature in mathematics	Springer Verlag	QA 1 .Z5
v. 1, 1931-v. 358, 1978	Books, Journals, Proceedings	MATH	

NONCURRENT COLLECTION

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BRITISH ABSTRACTS SERIES A, B, C	International literature of all aspects of chemistry	Bureau of Abstracts (U.K.)	QD 1 .B68 NCC
1926-1953	Journals, Proceedings	-	
CUMULATIVE BOOK INDEX	A comprehensive world list of books in the English language	H. W. Wilson Co.	CT 100 .C8 NCC
1938-1983	Books	-	
INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE	International literature of all sciences	Royal Society of London	Z 7401 .I62 NCC
1901-1914	Journals	-	
JAHRBUCH ÜBER DIE FORTSCHRITTE DER MATHEMATIK	Worldwide literature of mathematics	de Gruyter (Germany)	QA 1 .J4 NCC
v. 1, 1868-v. 68, 1942	Journals, Books	-	
NATIONAL UNION CATALOG	A listing of works cataloged by the Library of Congress and by the libraries contributing to its cooperation cataloging program	Library of Congress	Z 881 .A1U372 NCC
1898-1977	Books, Reports, Journals, Maps, Serials	-	

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Agriculture and Agricultural Engineering	Chemical Abstracts EI Engineering Conference Index Engineering Index Government Reports Announcements and Index Science Citation Index Selected Water Resources Abstracts
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Biotechnology	Biotechnology Research Abstracts
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Ceramics	British Ceramic Abstracts Ceramic Abstracts Japan Materials World Ceramics Abstracts
Chemistry and Chemical Engineering	Abstract Bulletin of the Institute of Paper Science and Technology Analytical Abstracts BNF Non-Ferrous Metals Abstracts British Abstracts, Series A, B, C (NCC) British Ceramic Abstracts CA Reviews Index Ceramic Abstracts

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Civil Engineering	ASCE Annual Combined Index Abstract Journal in Earthquake Engineering Civil Engineering Hydraulics Abstracts Corrosion Abstracts Concrete Abstracts Cumulative Index to the ASCE Publications EI Engineering Conference Index Engineering Data Bank Abstracts/Index of Reports Engineering Index Failure Experience Data Index Government Reports Announcements and Index Reliability-Maintainability Data Interchange Science Citation Index Selected Water Resources Abstracts
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Life Sciences/Biology	Government Reports Announcements and Index Japan Biosciences Science Citation Index Selected Water Resources Abstracts
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ASM Translation Index		Translations Index
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American Ceramic Abstracts		Ceramics Abstracts
Atomic Absorption and Flame Emission Spectroscopy Abstracts		Atomic Absorption and Emission Spectrometry Abstracts
British Non-Ferrous Metals Research Assn. Bull.		BNF Non-Ferrous Metals Abstracts
British Technology Index		Current Technology Index
CARI		CA Reviews Index
CBI		Cumulative Book Index
CSIRO Science Index		CSIRO Abstracts
Channel		Civil Engineering Hydraulics Abstracts
Chemical Abstracts Reviews Index		CA Reviews Index
COMPENDEX		EI Engineering Conference Index Engineering Index
Current Physics Microform		Current Physics Index
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DOPP		Directory of Published Proceedings
Electrical Measurement and Instrumentation		Electronic Instrumentation
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Finishing Abstracts		Metal Finishing Abstracts
FLUIDEX		Civil Engineering Hydraulics Abstracts
GIDEP		Engineering Data Bank Abstracts/Index of Reports Failure Experience Data Index GIDEP Index of Reports Metrology Data Bank Index Reliability-Maintainability Data Interchange
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Institute of Petroleum Abstracts		International Petroleum Abstracts
Japan Technology		Japanese Technical Abstracts
Library Science Abstracts		Library and Information Science Abstracts
LISA		Library and Information Science Abstracts
MATH		Zentralblatt für Mathematik und ihre Grenzgebiete: Mathematics Abstracts
MATHSCI		ACM Guide to Computing Literature Current Index to Statistics Index of Mathematical Papers Index to Statistics and Probability Mathematical Reviews Reviews in Complex Analysis
METADEx		Metals Abstracts Index
Metron		Electronic Instrumentation Measurements in Physics
NTIS		Government Reports Announcements and Index Publications of the National Institute of Standards and Technology
PAIS		PAIS International in Print
PAIS Bulletin		PAIS International in Print
PAPERCHEM		Abstract Bulletin of the Institute of Paper Science and Technology
Physical Measurements and Instrumentation		Measurements in Physics
Physikalische Berichte		Physics Briefs; Physikalische Berichte
Referativnyi Zhurnal; Korroziya i Zashchita ot Kovrozu		Corrosion Control Abstracts (Translation)
SRI		Statistical Reference Index
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Science Abstracts Series B		Electrical and Electronics Abstracts
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SCISEARCH		Science Citation Index

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SPIN		Current Physics Index
STAR		Scientific and Technical Aerospace Reports
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Water Resources Abstracts		Selected Water Resources Abstracts
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Wilson Readers' Guide to Periodical Literature		Readers' Guide to Periodical Literature

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